

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/977,221

OIPE

6V2
DATE: 02/24/98

TIME: 11:08:13

INPUT SET: S23754.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: UNITED STATES OF AMERICA; DEPT.
OF HEALTH AND HUMAN SERVICES(ii) TITLE OF INVENTION: MOTILITY STIMULATING
PROTEIN USEFUL IN CANCER DIAGNOSIS AND
THERAPY

(iii) NUMBER OF SEQUENCES: 69

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: MORGAN & FINNEGAN
(B) STREET: 345 PARK AVENUE
(C) CITY: NEW YORK
(D) STATE: NEW YORK
(E) COUNTRY: U.S.A.
(F) ZIP: 10154

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy Disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: WordPerfect 5.1

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA

(A) APPLICATION NUMBER: 08/346,455
(B) FILING DATE: 28-NOV-1994

(vii) PRIOR APPLICATION DATA

(A) APPLICATION NUMBER: 08/249,182
(B) FILING DATE: 25-MAY-1994

(vii) PRIOR APPLICATION DATA

(A) APPLICATION NUMBER: 07/822,043
(B) FILING DATE: 17-JAN-1992

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: DOROTHY R. AUTH

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47 (B) REGISTRATION NUMBER: 36,434
48 (C) DOCKET NUMBER: 2026-4149US3
49

50 (ix) TELECOMMUNICATION INFORMATION:
51 (A) TELEPHONE: (212) 758-4800
52 (B) TELEFAX: (212) 751-6849
53
54
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56
57
58
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61

62 (2) INFORMATION FOR SEQ ID NO:1:
63

64 (i) SEQUENCE CHARACTERISTICS:
65 (A) LENGTH: 5
66 (B) TYPE: amino acid
67 (D) TOPOLOGY: linear
68

69 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
70

71 Trp His Val Ala Arg
72 1 5
73

74 (2) INFORMATION FOR SEQ ID NO:2:
75

76 (i) SEQUENCE CHARACTERISTICS:
77 (A) LENGTH: 6
78 (B) TYPE: amino acid
79 (D) TOPOLOGY: linear
80
81

82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
83

84 Pro Leu Asp Val Tyr Lys
85 1 5
86

87 (2) INFORMATION FOR SEQ ID NO:3:
88

89 (i) SEQUENCE CHARACTERISTICS:
90 (A) LENGTH: 5
91 (B) TYPE: amino acid
92 (D) TOPOLOGY: linear
93

94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
95

96 Tyr Pro Ala Phe Lys
97 1 5
98

99 (2) INFORMATION FOR SEQ ID NO:4:

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100
101 (i) SEQUENCE CHARACTERISTICS:
102 (A) LENGTH: 5 amino acids
103 (B) TYPE: amino acid
104 (D) TOPOLOGY: linear
105
106
107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
108
109 Gln Ala Glu Val Ser
110 1 5
111
112 (2) INFORMATION FOR SEQ ID NO:5:
113
114 (i) SEQUENCE CHARACTERISTICS:
115 (A) LENGTH: 10
116 (B) TYPE: amino acid
117
118
119
120
121
122
123
124
125 (D) TOPOLOGY: linear
126
127
128 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
129
130 Pro Glu Glu Val Thr Arg Pro Asn Tyr Leu
131 1 5 10
132
133 (2) INFORMATION FOR SEQ ID NO:6:
134
135 (i) SEQUENCE CHARACTERISTICS:
136 (A) LENGTH: 9
137 (B) TYPE: amino acid
138 (D) TOPOLOGY: linear
139
140 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
141
142 Tyr Asp Val Pro Trp Asn Glu Thr Ile
143 1 5
144
145 (2) INFORMATION FOR SEQ ID NO:7:
146
147 (i) SEQUENCE CHARACTERISTICS:
148 (A) LENGTH: 10
149 (B) TYPE: amino acid
150 (D) TOPOLOGY: linear
151
152

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153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

154

155 Val Pro Pro Phe Glu Asn Ile Glu Leu Tyr

156 1 5 10

157

158 (2) INFORMATION FOR SEQ ID NO:8:

159

160 (i) SEQUENCE CHARACTERISTICS:

161 (A) LENGTH: 11

162 (B) TYPE: amino acid

163 (D) TOPOLOGY: linear

164

165

166 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

167

168 Gly Gly Gln Pro Leu Trp Ile Thr Ala Thr Lys

169 1 5 10

170

171 (2) INFORMATION FOR SEQ ID NO:9:

172

173 (i) SEQUENCE CHARACTERISTICS:

174 (A) LENGTH: 16

175 (B) TYPE: amino acid

176 (D) TOPOLOGY: linear

177

178

179

180

181

182

183

184

185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

186

187 Val Asn Ser Met Gln Thr Val Phe Val Gly Tyr Gly

188 1 5 10

189

190 Pro Thr Phe Lys

191 15

192

193 (2) INFORMATION FOR SEQ ID NO:10:

194

195 (i) SEQUENCE CHARACTERISTICS:

196 (A) LENGTH: 12

197 (B) TYPE: amino acid

198 (D) TOPOLOGY: linear

199

200

201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

202

203 Asp Ile Glu His Leu Thr Ser Leu Asp Phe Phe Arg

204 1 5 10

205

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206 (2) INFORMATION FOR SEQ ID NO:11:
207
208 (i) SEQUENCE CHARACTERISTICS:
209 (A) LENGTH: 23
210 (B) TYPE: amino acid
211 (D) TOPOLOGY: linear
212
213
214
215 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
216
217 Thr Glu Phe Leu Ser Asn Tyr Leu Thr Asn Val Asp
218 1 5 10
219
220 Asp Ile Thr Leu Val Pro Glu Thr Leu Gly Arg
221 15 20
222
223
224 (2) INFORMATION FOR SEQ ID NO:12:
225
226 (i) SEQUENCE CHARACTERISTICS:
227 (A) LENGTH: 18
228 (B) TYPE: nucleic acid
229 (C) STRANDEDNESS: single
230 (D) TOPOLOGY: linear
231
232
233 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
234
235 GTTGGCAGCN ACRTGCCA 18
236 (2) INFORMATION FOR SEQ ID NO:13:
237
238
239
240
241
242
243
244
245
246 (i) SEQUENCE CHARACTERISTICS:
247 (A) LENGTH: 18
248 (B) TYPE: nucleic acid
249 (C) STRANDEDNESS: single
250 (D) TOPOLOGY: linear
251
252
253 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
254
255 TGGCAYGTNG CTGCCAAC 18
256
257 (2) INFORMATION FOR SEQ ID NO:14:
258

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/977,221

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Line

Error

Original Text